**Significant Sand and Gravel Aquifers**

**WHAT IS AN AQUIFER?**

Ground water, at the same time, is not something that falls from the sky. Water in the ground is not available to us unless we dig for it. We can use ground water if we dig a well and if we dig deep enough. But in order to get water to our homes, we must have a supply of ground water. The ground water must be close enough to the surface for us to dig a well. The ground water must be deep enough for us to get the water we need. And the ground water must be clean enough for us to drink.

** SCALE 1:24,000**

**CONTOUR INTERVAL 20 FEET**

**TRUE NORTH**

**PYROXENOS AND PERMEABILITY**

The diagram shows an aerial view of a portion of the area. It shows the location of the wells and the contour lines. The contour lines show the elevation of the ground water. The elevation is shown in feet above sea level. The contour lines are drawn to scale. The scale is 1:24,000. This means that 1 inch on the diagram represents 24,000 inches on the ground. The contour lines are drawn to a scale of 1:24,000. This means that 1 inch on the diagram represents 24,000 inches on the ground.

**HOW ARE WATER MAPS MADE?**

When a map is made, a surveyor or geologist goes out into the field and makes measurements. The measurements are taken using a surveyor's tape, a compass, and a theodolite. The measurements are then plotted on a map. The map is then printed on paper and distributed to the public.

**GROUND WATER AND CONSUMPTION**

Water is a valuable resource. It is essential for human survival. Water is used for drinking, cooking, and bathing. Water is also used for irrigating crops. Water is used for making electricity. Water is used for fighting fires. Water is used for cleaning.

**OTHER SOURCES OF INFORMATION**